



Environmental Consulting Services, Inc.

May 9, 2012

SCDHEC
2600 Bull Street
Columbia, SC 29201
Attn: Pete Creighton

RE: Review Previous Asbestos Inspection Report & Collect Bulk Samples for TEM Analysis
SCDHEC Pee Dee District Environmental Air Quality Building # 111924
145 E. Cheves Street, Florence SC

Dear Pete:

Per your request, I visited the above referenced facility located in Florence, South Carolina on May 4, 2012. This site visit was to review a previous asbestos inspection report (F&ME, 1/31/03) and collect any needed samples for PLM and/or TEM analysis prior to renovations occurring in the center area of the facility (see attached drawing). The F&ME report does not identify what color of floor tile was analyzed by PLM analysis in their 2003 inspection. It is our understanding that the scope of work for the upcoming renovation will include disturbance of the white speckled floor tile and associated black mastic, tan baseboard mastic, and lower area of sheetrock walls that are located in this area. The F&ME 2003 report reflects a sufficient number of samples analyzed by PLM analysis concerning the wall material.

During this current visit, bulk samples of the white speckled floor tile and associated mastic, along with the tan baseboard mastic were collected for TEM analysis. These materials are known as Category I non-friable materials that yielded a negative for asbestos content through the initial PLM analysis and this TEM analysis is required according to the current SCDHEC regulation. The TEM analysis results for this white speckled floor tile and associated mastic, along with the tan baseboard mastic also yielded a negative for asbestos content for each of these materials and these materials can be considered as conventional construction debris, for your renovation purposes.

A detailed listing of samples, along with the EHS, Inc. laboratory analysis report is included in this report for your review. The square or linear footages of all materials sampled, condition of the materials ("good" or "damaged"), and potential for disturbance ("significant potential for disturbance" or "spd"), can be found on the enclosed "Executive Summary List of Suspect Materials form".

It is always a pleasure assisting you with project and should you have any questions, please contact me at 803/772-1070 or at 803/609-7126 (mobile).

With kind regards,

G. Donald Cobb
SCDHEC Licensed Inspector # 22081
2052-I

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- TEM Analysis Report
- Project Drawing Detailing Suspect Sample Locations
- Copy of Inspector's SCDHEC License

TEM Report of PLM Samples



McCall and Spero
Environmental, Inc.
Specialists in Microanalysis

1831 Williamson Court • Suite 100 • Louisville, KY 40223
Phone (502) 244-7135 • (800) 841-0180 • FAX (502) 244-7138
E-mail: customerservice@mselabs.com • Website: www.mselabs.com

Date: May 9, 2012

Attention: Howard Varner
Environmental Hazards Services, LLC

Subject: Analysis of bulk samples for asbestos mineral fibers by Transmission Electron Microscopy

RE: MSE-582EHSB
2052-I; Florence County Health Dept.; 145 E. Cheves Street; Florence, SC
29506 / Client# 42-1931 Project
EHS# 12-08-00911

Dear Mr. Varner:

McCall & Spero Environmental, Inc. has completed the analyses of the bulk samples we received from your offices on May 8, 2012. These samples represent the bulk samples from the 2052-I; Florence County Health Dept.; 145 E. Cheves Street; Florence, SC 29506 / Client# 42-1931 Project.

The TEM bulk analysis was performed according to the New York State ELAP Method # 198.4, "Transmission Electron Microscope Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples".

The results for the three (3) samples are summarized in the following report. Please note that for samples consisting of two or more distinct components, each component is analyzed and reported individually (EPA 40 CFR Part 61 [FRL-4821-71]).

Thank you for consulting McCall & Spero Environmental, Inc. Should you have any questions concerning these results, please contact our office.

Sincerely,

S. Dewayne Lear, B.S.
TEM Laboratory Director



Environmental Hazards Services, L.L.C.
7469 Whitepine Rd
Richmond, VA 23237
Telephone: 800.347.4010

TEM FORM

Received Date: 05/07/2012

Due Date: 05/09/2012

EHS Client #: 42-1931

Report Number: 12-05-00911

Project/Test Address: 2052-I; Florence County Health Dept.; 145 E. Cheves
Street; Florence, SC 29506

Analysis Requested: Chatfield Bulk 24 hr

Sample #	Sample Type	Sample Location and/or Comments	Volume (liters)
TEM 01	Chatfield	White speckled Floor tile only!	
TEM 02	I	Black Floor tile mastic only!	
TEM 03	I	Tan Shoe mould adhesive only!	

Date/Time	Released By:	Date/Time	Received By:
5/7/12	Chloe	5/8/12 10:00	SD [Signature]

SUMMARY OF TEM BULK ANALYSIS RESULTS

Page 1

Project Name: 2052-I; Florence County Health Dept.; 145 E. Cheves Street; Florence, SC 29506 / Client# 42-1931 Project EHS# 12-08-00911
McCall & Spero Environmental Project No. MSE-582EHSB

CLIENT SAMPLE # DESCRIPTION	ASBESTOS TYPES & %	TOTAL ASBESTOS %	NON- FIBROUS MATRIX %	OTHER FIBROUS MATERIAL TYPES & %	COLOR
TEM 01 Floor Tile	No Asbestos Detected	NAD	100%	ND	White
TEM 02 Mastic	No Asbestos Detected	NAD	100%	ND	Black
TEM 03 Adhesive	No Asbestos Detected	NAD	100%	ND	Tan

NOTES:

NAD = No Asbestos Detected

AC = Actinolite

TR = Tremolite

ND = None Detected CH = Chrysotile A = Amosite

CR = Crocidolite

AN = Anthophyllite

< 1% = Less Than One Percent

> 1% = Greater Than One Percent

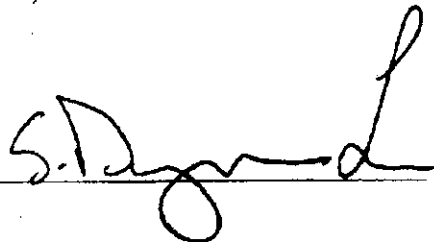
For samples consisting of separate components, each component is analyzed and reported separately.

TEM bulk analysis was performed according to the New York State ELAP Method # 198.4, "Transmission Electron Microscope Method for Identifying and Quantifying Asbestos in Non-Friable Organically Bound Bulk Samples".

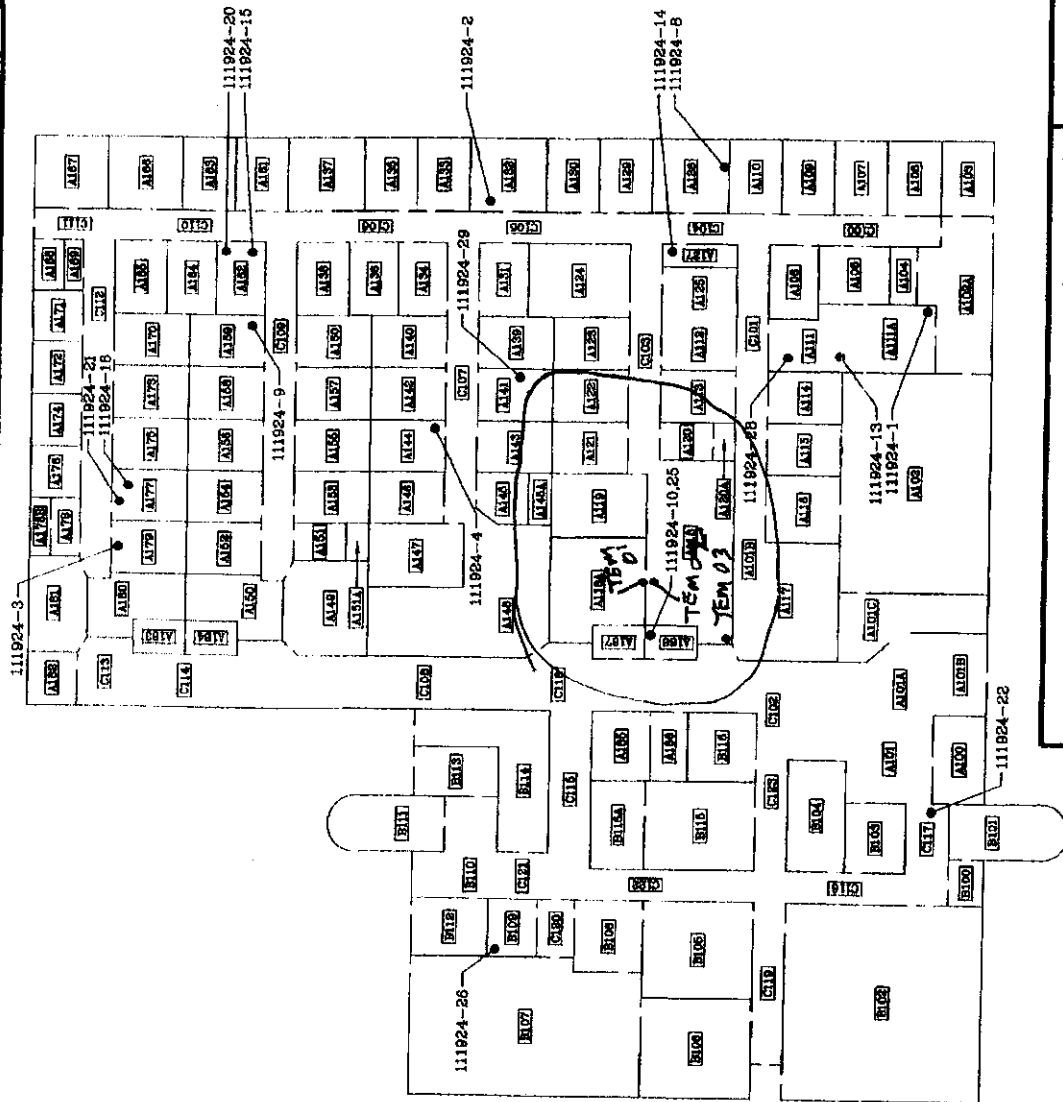
Results apply only to items tested. Results from this report must not be reproduced, except in full, with the approval of McCall & Spero Environmental, Inc. This report must not be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

** EPA recommends that bulk materials found negative for asbestos or less than one percent asbestos by polarized light microscopy that fall into one of five dominantly nonfriable categories be reanalyzed by an additional method, such as transmission electron microscopy. (EPA Notice of Advisory, FR Vol. 59, No. 146 & Test Method EPA 600/ R-93/ 116).

Analyst: S. Dewayne Lear, B.S.



McCall & Spero Environmental, Inc.



FIRST FLOOR

SC DEPARTMENT OF HEALTH, AND ENVIRONMENTAL CONTROL
BUILDING NO. 111924

SCALE: NTS
PROJECT:

Project Drawing Detailing Suspect Sample Locations

Copy of Inspector's SCDHEC License

SCDHEC ISSUED
Asbestos ID Card

Donald G Cobb



AIR SAMPLER	ASB-22080	06/02/12
CONSULT MP	ASB-22081	06/23/12
CONSULT PD	ASB-22082	05/11/12
SUPERHERA	ASB-45443	06/02/12

EXPIRES